

OUTLOOK

A WEEKLY NEWSPAPER FOR FACULTY AND STAFF AT THE UNIVERSITY OF MARYLAND AT COLLEGE PARK

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Five UMCP Faculty Members Named 1992-93 Distinguished Scholar-Teachers

There are great scholars. There are great teachers. And then there are great scholar-teachers.

Five UMCP faculty members have been named Distinguished Scholar-Teachers for the 1992-1993 academic year. They are: Fred Alford, Government and Politics; William Destler, Electrical Engineering; Judith Hallett, Classics; Susan Lanser, English; and Scott Wolpert, Mathematics.

The Distinguished Scholar-Teachers will receive \$1,000 for professional expenses, teach a University Honors course and present a public lecture during the 1993 spring semester.

Fred Alford

It is a cliché that there is a long-standing quarrel between philosophy and poetry. C Fred Alford is attempting to give new life to this cliché by injecting psychoanalysis into the study of both.

Alford joined this ancient quarrel several years ago when he and several colleagues created a field of study which he defines as an attempt to

illuminate traditional philosophical questions by means of the insights of psychoanalysis. He notes, however, the need to do this without reducing these traditional questions to psychoanalytical ones, thereby trivializing them in some way.

Colleagues call him a formidable innovator who is opening up new fields in the application of psychoanalytic theory.

Although psychoanalytical theory stays in the background during his undergraduate courses, Alford says this research helps him to show students how Plato, Aristotle and tragic poets speak to the concerns of everyday life—concerns such as “How do I live my passions well...Do I put them away, live with them or what?”

His graduate courses are more explicitly theoretical.

Either way, his teaching is noteworthy. In 1986 he received a Distinguished Teaching Award. In 1990, he was one of seven professors chosen to teach in the Freshman Seminars Program, and was awarded a grant



Fred Alford

from the Fund for Undergraduate Instruction for the development of a special course on Greek tragedy as political theory. His large required lecture class, “Ancient Political Theory,” tied with two other courses for the distinction of the highest rated course in the Department of Government and Politics.

Since 1988, Alford has published three books with Yale University Press. A fourth, called *The Psychoanalytic Theory of Greek Tragedy: Humane Antihumanism*, will appear this year.

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William Destler

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Researchers Develop New Technology for Household Refrigerators and Freezers

A team of researchers from the university's Center for Environmental Energy Engineering has developed a new technology to replace ozone depleting CFCs in household refrigerators and freezers.

The new technology has the potential to save between 8 to 16 percent of the energy used in home refrigerators. This translates to consumer electric bill savings of \$100 to \$200 over the life of an average-sized refrigerator.

The technological breakthrough was announced by the U.S. Environmental Protection Agency, which funded much of the research.

Reinhard Radermacher, associate professor of mechanical engineering, Dongsoo Jung, research scientist, and graduate research assistant Robert Rose have completed demonstration models of refrigerators that substantially improve the energy efficiency as compared with systems using CFC-12, the ozone depleting chemical now used in these appliances.

According to Radermacher, the energy savings would come from



Reinhard Radermacher

using a mixture of refrigerants that are not ozone depleters and by using them in a modified refrigerator design.

Current designs for refrigerators operate by cooling the freezer section and then mixing this very cold air into the fresh food compartment, Radermacher says. The new technology would cool the freezer and the fresh food compartment separately. This allows different constituents of the newly developed refrigerant

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University to Celebrate Hong Kong Week

The university's China Committee and the Federation of Overseas Hong Kong Chinese-Washington D.C. is sponsoring events during Hong Kong Week, March 26 through April 4. A forum and panel discussion on "The Future Role of Hong Kong in the Southern China Region and Pacific Rim" will be held on April 1 at 7:30 p.m. The location to be announced. A photo exhibition, "Hong Kong in Transition" will be displayed March 31-April 3 in Room 2111 of the Stamp Student Union. A film festival with a documentary on Hong Kong and a movie about Hong Kong society will be held April 2 and 3 at 7:30 p.m. in Room 0200 in Symons Hall. For more information, call 405-6142.

DSTs Balance Research and Teaching

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William Destler

Say the word "accelerate" and William Destler immediately comes to mind. He is a leading researcher in the field of collective acceleration, has accelerated quality improvements in the Electrical Engineering Department's undergraduate instruction since becoming chairman in 1986, and has accelerated students' ability to learn through his enthusiastic and clear presentation of difficult concepts.



Judith Hallett

Destler has published extensively on collective acceleration, a new technique in which positive ions are trapped and accelerated by a cloud of electrons. His work in this area has resulted in the highest collectively accelerated ion energies achieved to date.

He also pioneered the development of a new kind of microwave source called the Large Orbit Gyrotron, which is capable of producing microwaves efficiently with only a fraction of the magnetic fields required in more conventional devices such as magnetrons.

Many awards have been presented to Destler in honor of his contributions to the scholarly as well as teaching world, including his being named a Fellow of the Institute of Electrical and Electronics Engineers and the American Physical Society.

In 1977, the first year he was eligible for the award, he received the department's George Corcoran Award for outstanding contribution to electrical engineering by a young

faculty member and in 1979 he received the first campus-wide Student Selected Teaching Award for Engineering, Mathematics, Physical Sciences, Agriculture and Life Sciences. He has won the Eta Kappa Nu Undergraduate Teaching Award and the Institute of Electrical and Electronics Engineers' (IEEE) Outstanding Professor Award each. In 1989 he received the AT&T/American Society for Engineering Education Award for Excellence in Engineering Education.

"There is a fairly natural flow between student/faculty interactions in the classroom and the research laboratory," says Destler. "Undergraduate teaching has made me a stronger researcher by giving me a solid grounding in my field."

Destler steps down as department chair at the end of this semester, and notes that he can't think of a nicer way to step back into normal professional duties than to be named a Distinguished Scholar-Teacher.

Judith Hallett

The more aristocratic the family, the more likely it is that bloodline will carry more importance than gender. This is one finding from Judith Hallett's research into the representation of women in Latin literary texts.

Hallett says these texts are extraordinarily influential on the thinking of later Western civilizations, and offers the Kennedy family as a perfect example.

Another of Hallett's research findings is that men often value women related to them by blood more than they do their wives. These and other results of her research can be found in *Fathers and Daughters in Roman*

Society: Women and the Elite Family, Hallett's first book, published by Princeton University Press in 1984. She is currently working on a second book, *Breathing Beneath the Images: Latin Literary Texts and the Recovery of Elite Roman Women*.

"Judy's scholarly credentials are impeccable," says one colleague, who

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Distinguished Scholar-Teacher Lecture Series Set

The 1991-92 Distinguished Scholar-Teacher Spring Lecture Series will be held in April. All three lectures will be held in Room 2203 Art-Sociology at 4 p.m. A reception in the Art-Sociology Atrium will follow.

April 2--George Callcott, Department of History, "The Quality of Life in Maryland Over Four Centuries"

April 16--Raymond Paternoster, Institute of Criminal Justice and Criminology, "Myths and Misconceptions About the Death Penalty"

April 30--Bruce Jarvis, Department of Chemistry and Biochemistry, "Our Modern Chemical World--the Luck of it All!"

The lecture series is open to the entire campus community and general public.

OUTLOOK

Outlook is the weekly faculty-staff newspaper serving the College Park campus community.

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Letters to the editor, story suggestions, campus information & calendar items are welcome. Please submit all material at least three weeks before the Monday of publication. Send it to Editor Outlook, 2101 Turner Building, through campus mail or to University of Maryland, College Park, MD 20742. Our telephone number is (301) 405-4621. Electronic mail address is outlook@pres.umd.edu. Fax number is (301) 314-9344.

UNIVERSITY OF MARYLAND AT COLLEGE PARK

Libraries' Opening Hours Reinstated

All seven campus libraries will be reopened from 8 a.m. or 8:30 a.m. (depending on the individual library's original hour of opening) to 10 p.m. Monday through Friday. They also will be open from 10 a.m. to 5 p.m. on Saturday and from 2 p.m. to 10 p.m. on Sunday, except in those cases where the original (fall 1991) schedule may have been shorter.

The new schedule goes into effect March 16.

Reinstatement of the library hour will be made possible by the return to UMCP of a small portion of the December rescission if approved by the Board of Public Works. Governor Schaefer was especially concerned about the forced reduction in the libraries' hours and access to campus computer work stations.

If BPW approval is not granted, reinstating the library hours will require about \$3,500 a week to provide the minimum staffing needed to allow basic facilities and personal security, Libraries Director Joanne Harrar says. "If the cost is to come from the Libraries' materials budget, using the 60%-40% expenditure ratio of serials to monographs, this would mean that for each week we cover that wage cost, we can buy 11 fewer periodical subscriptions and 35 fewer books."

The cost of maintaining the reinstated open hours will be \$49,000 through June 30, the end of fiscal year 1992. Total cost for FY93 would be \$161,000 which translates to 506 fewer periodicals and 1,610 fewer books, Harrar says.



Saturn Corporation Award to Recognize Teamwork

The Saturn Corporation, through its Saturn on-Campus national college program, will award a \$1,000 prize to the team of three or more students that best epitomizes initiative and enterprise, enhancement of the campus community environment, achievement of goals through cooperative effort, and recognition of individual contributions to the group. The winning team will become eligible to compete against winners from other schools for the national Saturn Award of \$5,000. Application deadline is March 6. For info, call the Office of Campus Activities at 314-7174.

NEWS

Five Named Distinguished Scholar Teachers

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also praises her teaching ability. "Judy is a firm believer, and something of a pioneer, not just in incorporating the results of her research but in actively initiating the students into the world of scholarship."

Hallett says her goal is to demystify scholarship for her students. She tries to attain that goal by encouraging students to adopt a critical attitude toward the scholarly studies they read; by inviting other scholars to speak in her classes; and by requiring her classes to write joint papers responding to works of scholarly interpretation.

"There shouldn't be a split between scholarship and teaching," says Hallett, "and I think this award recognizes how inseparable the two are."

Susan Lanser

Susan Lanser's scholarly projects are diverse: from prose fiction and 18th-century studies to critical theory and feminist studies. Her published work represents a range of interests from Jane Austen to Djuna Barnes, from narrative poetics to folklore, from feminist criticism to undergraduate pedagogy.

"What seems to me most to unite these diverse scholarly projects is a concern with the values that underlie critical and cultural practices. Whether I am investigating 18th-century women critics, feminist readings of Genesis, folktales about 'lazy' women, or racialism in the United States at the turn of this century, I am concerned that my work foster the kind of intellectual understanding that inspires social change," says Lanser.

According to one colleague, anything Lanser learns through her scholarship is brought directly into the classroom, and always in peda-

gogically self-conscious ways that do most to shift the initiative to the students. She is intensely dedicated to bringing the best out in every student and uses teaching techniques that clearly accomplish this.

"I learn a great deal from my students," says Lanser. "What goes on in classrooms is not separate from research. I don't know how I would do one without the other."

Last year, Lanser, who holds a Ph.D. in Comparative Literature from the University of Wisconsin-Madison, accepted the responsibility of acting director of the Comparative Literature program. She hopes to revitalize the program in a way that brings faculty and students together across disciplinary boundaries in order to explore different perspectives on intellectual topics of shared interests.

Next semester she will teach an honors version of the Comparative Literature course, "Global Literature and Social Change."

Due out this spring is her second book, *Fictions of Authority: Women Writers and Narrative Voice*, published by Cornell University Press. Her first book, *The Narrative Act: Point of View in Prose Fiction*, was published in 1981 by Princeton University Press.

Scott Wolpert

The ability to make the complex understandable and the obscure relevant is a rare talent, but it is a talent that Scott Wolpert has in abundance.

Wolpert is internationally recognized as a leader in the field of Complex Analysis. His work on the analytic theory of moduli of curves is of fundamental importance to continuing developments in mathematics and physics and led to an invitation to speak at the International Congress of Mathematicians in 1986. His work on the applications of Riemann sur-

faces and Teichmüller spaces to string theory has been called "deep and powerful."

The many invitations he receives to present papers and speak at national and international conferences reflect the high regard the academic community has for him as a scholar-mathematician.

According to a colleague, Wolpert's reputation in geometry and complex analysis have helped to propel the Mathematics Department to world-class standing in those areas.

Wolpert is world-class to his students. Last year, in response to a decline in the number of students entering and succeeding in math classes coupled with the ever present need for calculus skills in other disciplines, Wolpert was chosen by the Mathematics Department to initiate a pilot program designed to address these issues.

The concept for the project, called ACCEL, was pioneered by Uri Treisman of the University of California at Berkeley, and Wolpert has refined and expanded it for College Park students. The project is workshop-based and involves new methods for teaching calculus and new attitudes toward students. Students consider the workshop classes to be enjoyable and note that the hard work required is worthwhile.

ACCEL is off to a very successful start and the Mathematics Department has high hopes for its future.

—Beth Workman



Susan Lanser



Scott Wolpert

New Refrigerants Could Save Energy, Ozone

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blends to be more effective in providing the desired temperatures in each section. It also means the air in the fresh food compartment would not be dehumidified making it more "vegetable friendly," and the infiltration of odors from the freezer would be reduced.

"I am tremendously encouraged — research and new technologies are creating profitable solutions to environmental problems," said EPA Administrator William K. Reilly. "This technology will not only help

protect our stratospheric ozone layer, but will demonstrate that preventing pollution can be profitable."

When in full use, the new technology could save Americans between \$1 billion and \$2 billion per year on their electricity bills. The total energy savings from this technological advance will almost equal the cost to the U.S. economy of fully phasing out CFC production, EPA officials say.

The new technology would also reduce carbon dioxide emissions from electricity generation by about seven million metric tons.

Whirlpool Corp., a leading manu-

facturer of major home appliances, has been running similar tests on the new technology. While the company has not yet tested all the configurations and mixtures, its results very nearly matched the eight percent savings measured by the College Park researchers when testing the same refrigerator. Whirlpool cautions that several major hurdles must be overcome before commercialization, including tests to ensure reliability, performance and safety under customer-use conditions.

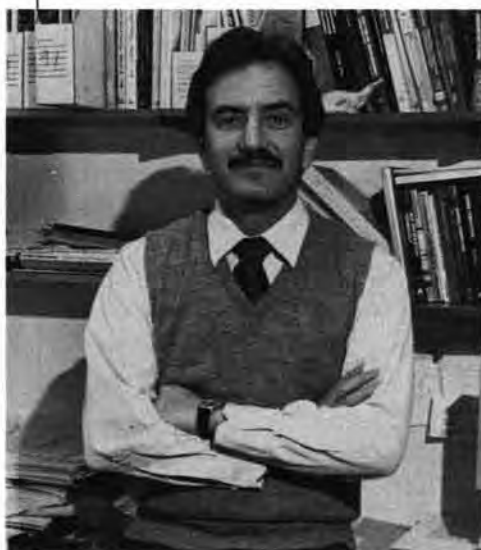
—Tom Otwell

Study Abroad Scholarships Available

The Study Abroad Office in conjunction with the Office of Financial Aid is offering scholarships for in-state and/or minority students to attend the university's Study Abroad Programs. Scholarships are based upon academic achievement and financial need. Applicants with a minimum GPA of 3.0 will be given preference. The application deadline is March 20. For more information, contact the Study Abroad Office, 3125 Mitchell Building or call 314-7746.

New Development for Study of Ancient Greece Evaluated

For the past three years, Gary Marchionini and other College Park faculty and staff have been involved in an exciting development in the study and instruction of classics.



Gary Marchionini

This development, called the Perseus Project, is a hypermedia system that brings together the world's largest collection of text and images about the ancient Greek world. Perseus 1.0, the project's first version, is just being released through Yale University Press. Additional versions are planned for 1993, 1994 and beyond.

Marchionini, associate professor, College of Library and Information Services (CLIS), is involved in the Perseus Project as Director of External Evaluation. College Park faculty and staff included on his evaluation team are Delia Neuman, assistant professor, CLIS, and Peter Evans, a CLIS doctoral student. Kenneth Morrell, classics professor at St. Olaf University in Minnesota, also is a member of the evaluation team.

The brainchild of Gregory Crane, associate professor of classics at Harvard University, the Perseus Project is based at Harvard and funded primarily by the Annenberg/Corporation for Public Broadcasting Project. Marchionini has thus far received three subcontracts totalling approximately \$90,000 over the last three years.

Perseus is a database of text and images, published on CD-ROM and videodisc, and designed as a tool to advance the study of ancient Greek literature, history, art and archaeology. It is not a device for computer-based instruction, says Marchionini, but a powerful and valuable collection of materials and resources that requires participation from the user.

"By making research more efficient, Perseus can lead to greater intellectual curiosity," says William Ziobro, associate professor of classics, College of the Holy Cross. "You can ask more sophisticated questions because it won't take forever and a day to come up with the answers."

The system encourages active learning and the critical analysis of many different kinds of primary evidence. Included in the database are primary texts in Greek as well as English; images of coins, sculpture, vases, and temples; site plans; maps; and morphological encyclopedic search and display tools.

"Perseus is an experiment to see what kinds of questions can emerge when computing technology provides greater access to a wider range of information than has ever been available before," says Crane.

Marchionini, working with 60 beta sites across the country, has been evaluating Perseus from a formative as well as a research standpoint. Included in his reports has been feedback on the project's design in terms of ease of use for students as well as teachers, and findings on the system's effect on studying and learning.

Chad McDaniel, director of Instructional Computing Programs, John Smith, director of Academic Computing Services for the College of Arts and Humanities, Eva Stehle, assistant professor of classics, and others have assisted Marchionini with valuable equipment and instructional feedback support.

From a formative standpoint, Marchionini has found problems in the infrastructure needed to support the system. The hardware required includes a Macintosh computer, color monitor and CD ROM player. And, in order to be fully effective, there should be a fully integrated computer environment in place. Marchionini foresees the development of such an infrastructure in universities across the country, though slowly over the coming years.

Another initial drawback that Marchionini believes will be overcome with time is professors' ability to use Perseus as a teaching tool. It can take months or even years, says Marchionini, for professors to fully integrate Perseus into their lecture style.

From a research standpoint, Marchionini discovered that Perseus offers a distinct mechanical advantage, allowing faster, easier and more comprehensive access to information. He uses as an example the student who is learning Greek and is able to access the lexicon to help define words.

Another example of this mechanical advantage is his finding that when using Perseus in writing papers, students cited texts twice as often than they did without Perseus. However, Perseus by itself does not produce better papers.

Increased collaboration on projects is a positive by-product of Perseus as is the emergence of new kinds of learning.

Stehle has been using Perseus this semester in her Greek religion class. She says it is a valuable addition to her lectures.

According to Stehle, Greek religion is a difficult course to teach because there is no appropriate text on the topic and it's a difficult subject to structure.

"The study of Greek religion is an interpretation of evidence," she says. "With Perseus I can pull together materials that allow interpretation of different aspects of the evidence." She uses most of what the system has to offer, including texts, site plans and maps.

Student reaction is largely positive. They are better able to visualize what is being discussed in class and they have confirmed Marchionini's findings that Perseus encourages collaboration on projects.

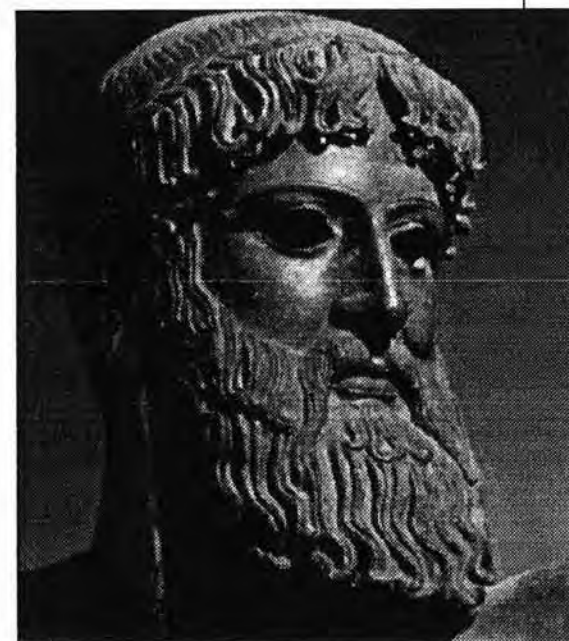
One criticism is that Perseus is too slow. (It takes approximately 10 seconds for it to display some images). This will likely be improved in future versions and with network implementations that do not depend on CD ROM technology.

Three computers running Perseus are currently set up in the CLIS library.

"Perseus is going to be an enormously useful resource for bringing the ancient world alive in different ways for students," says Stehle.

Marchionini's initial findings were incorporated into the final version of Perseus 1.0. His current evaluations of Perseus 1.0 will influence Perseus 2.0, and he expects to continue evaluation for Perseus 3.0 and beyond.

—Beth Workman



First Annual College Park Pow-Wow Set

The first annual College Park Pow-Wow, hosted by the Terrapin Society, the Native American Student Union (NASU) and the American Indian Intertribal Cultural Organization (AIITCO), will be held March 7-8 at the Reckord Armory from noon to 9 p.m. on Saturday and noon to 6 p.m. on Sunday. Grand entry for both days will be at 1 p.m. The program will include Native American crafts and vendors, traditional and fancy dancers, and host drum, the Little River Singers, and a potluck dinner on Saturday. Admission is \$4 and \$2 for students. For more information, call (301) 270-2991 or (703) 534-0904.

NEWS

Conference Explores Need for Support of Faculty Professional Service

The university recently co-sponsored a conference on "Reshaping Institutional Cultures and Reward Structures to Enhance Faculty Professional Service."

The conference, which was held at the Wingspread Conference Center in Wisconsin, was also co-sponsored by the Division of Urban Affairs of the National Association of State Universities and Land Grant Colleges (NASULGC), Wayne State University, and the Johnson Foundation.

Muriel R. Sloan, assistant vice president for Academic Affairs, helped initiate the conference to discuss the importance of professional service, such as work with public school systems, state businesses, and community agencies, and how such work can be better rewarded.

Sloan, Jacob Goldhaber, acting dean of the Graduate Studies and Research program, Richard Herman, dean of the College of Computer, Mathematical, and Physical Sciences, and Rose-Marie Oster, professor in the Department of German and Slavic Languages and Literatures, represented the campus on the planning

committee.

Professional service has received relatively little support on campuses, says Sloan.

"Part of the problem is agreeing to what it means and whether such service is valued," she says.

Faculty performance evaluations emphasize research and teaching with professional service "finishing a distant third," says Sloan.

The conference focused on the importance of recognizing scholarship-based professional service or practice by university faculty.

Conference participants agreed that although disciplines and institutions expect such activities, they often fail to encourage and recognize them.

Participants also noted that there was a need for guidelines for evaluation or documentation regarding professional service.

"Unique to the conference was that it marked the first time a diverse group of disciplinary and professional associations and societies in the humanities, social sciences, natural sciences and professional schools met to consider the wider involvement of

faculty in communities and broader society as part of professional practice," says Sloan.

The participants agreed to bring back to their associations and societies ideas from the conference for discussion and possible implementation within their respective organizations. A follow-up meeting has been requested, and the Johnson Foundation may be interested in hosting a second conference, according to Sloan.

Sloan has been a long-time supporter of professional service. In 1985 she chaired a task force to study the campus's role in school/university cooperative programs. In 1987 she assumed the responsibility for facilitating and overseeing campus-wide school/university partnerships programs.

The university's President's Commission on School/University Cooperative Programs has been devoting much time to the issue of faculty reward for such service.

—Lisa Gregory

More Events Scheduled for Women's History Month

In recognition of Women's History Month, the university is sponsoring several programs, including:

- The Committee on Undergraduate Women's Leadership is sponsoring a program on Women's History at Maryland (WHAM) with a theatrical recreation of the history of women students on campus from 1916 and into the future. The program, which will be presented March 18 from 4 to 6 p.m. in the Atrium of the Stamp Student Union, will also

include films, speakers and exhibits. For more information, call 314-8505.

- The Black Women's Council will be presenting a program on "Sister to Sister: Sharing and Caring" on March 24 from noon to 1 p.m. in the Maryland Room of Marie Mount Hall. For more information, call 405-3878.

- The Department of English is presenting a reading of women faculty and staff poets. Participants are Minnie Bruce Pratt of the Women's Studies Program, Elaine Upton of the

Department of English, Valerie Jean of Hornbake Library, Phillis Levin of the Department of English and Inike Phas of the Department of Spanish and Portuguese.

The reading is scheduled for March 25 from 3 to 4 p.m. in Room 1101 of the South Campus Surge Building. For further information, call 405-3783.

UMCP Supporters Testify at Special State Senate Hearing

Academic, business, and political leaders, as well as students, turned out to testify during a special hearing Feb. 19 called by the Maryland State Senate Budget and Taxation Committee in support of restoring funds cut from the UMCP budget last year.

Among those appearing before the committee were President William E. Kirwan, U.S. Representative Tom McMillen, former Governor Marvin Mandel, and former CIA director Stansfield Turner who is now Olin Distinguished Professor of Public

Affairs at UMCP. Speaking on behalf of the Maryland business community were Gerald Hroblak, president of United Broadcasting, John Henricks, chair and CEO, the Discovery Networks, Garry Curtis, representing a coalition of chambers of commerce, and Edward Walker, president of Litetrends, a food manufacturing company.

Unable to appear, but sending letters of support were Norman Augustine, chair and CEO, Martin-Marietta Corp., and former U.S. Senator

Joseph Tydings.

Rep. McMillen told the largely supportive Senate committee that "we have to protect our crown jewel and public support is critical." Mandel echoed this sentiment, adding that "College Park is a gem we have that is more recognized outside the state than within."

Senate President Thomas V. "Mike" Miller concluded the hearing by assuring College Park supporters that "your efforts today will bear fruit in the budgetary process."

Friends of Women's Studies

Individuals who are interested in seeking closer ties with the Women's Studies Program but are not able to serve as affiliate members due to employment status, work loads or other circumstances are invited to become "Friends of Women's Studies." "Friends" are welcome to serve on committees, receive the program's monthly newsletter, and are invited to all Women's Studies functions. For more information on "Friends of Women's Studies," call Laura Nichols at 405-6877.

Harry Explores Needs of Culturally Diverse Students in New Book

In an effort to educate everyone fairly, school systems in the U.S. must adjust to students and families who come from diverse cultural backgrounds and do not always speak English as a first language,



Special Education Assistant Professor Beth Harry

says Beth Harry, an assistant professor in the Department of Special Education in the College of Education.

"If the school system doesn't do some real drastic rethinking of its curriculum, teaching style and manner of relating to these families, they're going to lose more and more generations of these students," says Harry, the author of a *Cultural Diversity, Families, and the Special Education System: Communication and Empowerment* (Teachers College Press).

Harry's book outlines the role of special education in the schooling of students from racial and cultural minority backgrounds, including African-Americans, native Americans, Asians and Hispanics. The focus of the book, however, is a recent ethnographic study of low-income Puerto Rican families in upstate New York whose children

were described as disabled and placed in special education programs.

"The Puerto Rican parents I talked with were horrified that their kids were being called disabled," says Harry. "In fact, they felt that the children were not disabled at all but have experienced a tremendous amount of linguistic confusion, an explanation which is also expressed by leading researchers in the field."

According to Harry, a Spanish-speaking child cannot be placed into an English-speaking classroom and understand what's going on around him or her. The students are pulled from class for special tutoring in English, but "...the rest of the time that they're sitting in the regular classroom they have no idea what's going on," she says.

Most of these students, she says, fall behind and are assigned to special education classes. They become labeled "disabled" and the failure syndrome sets in.

Harry feels that a better approach to the problem is to offer bilingual programs that will teach a student in his and her native language.

"Educate the child in his first language if you can. Otherwise use the ESL (English as a Second Language) approach to teach curriculum content as well as language. Let him get the content, while he's learning English, too," she says.

"One of the things that is happening is that special education is becoming the catch-all for everybody who has difficulties," says Harry. "It's unrealistic, because in some of the large urban school systems what will happen is that the majority of the kids will be placed in special education, not because they are disabled, but because they need special attention regular education isn't set up to give them."

The school system also needs to

meet the needs of the parents of these children, as well, says Harry.

"In my study I found that parents were very alienated, did not understand the school system, and were not really wanted in the schools," says Harry. "There was a great deal of misunderstanding because of poor communication."

For example, in this study some children were moved from one school to another without the parents being properly notified, says Harry.

The reason for the confusion, she says, is that the schools often rely on written communication.

"For many years they were sending the letters home in English. The parents don't speak English," she says.

There is also the matter of paperwork that contains unfamiliar jargon.

"These parents have no idea what the papers were all about," says Harry. "There was very little personal communication."

While conducting her study, Harry did notice, though, that the school district was attempting to remedy the problem of communication.

The district provided a Spanish-speaking family liaison worker who could explain the school system, accompany them to meetings, and act as an interpreter.

"It was making a tremendous difference because the need for personal communication was what was really missing," says Harry.

The time has come, says Harry, for the educational system to become more individualized and understanding of diversity.

"It's a matter of respecting one's culture, one's ethnicity," she says. "A lot of it, I believe, is related to cultural expectations and cultural differences and how you can meet a kid where he is. We must be able to say to a child, 'this is who you are. This is what you learned at home. Okay, let's start here, let's accept it and build on it.'"

—Lisa Gregory

Physical Science Course Developed for Elementary Teachers

John Layman has begun collaborating with Donald Kirwan of the American Institute of Physics and a group of colleagues from around the country to develop an introductory physical science course for students who plan to teach elementary school. This course will be piloted at the university. AIP was given a grant by the National Science Foundation to bring about this improvement in science teacher training programs.

NSF Awards \$1.6 Million Grant for Surface Physics Study

The National Science Foundation has awarded a grant of \$1,677,000 for three and one half years for a materials research proposal entitled "Absorption, Epitaxy and Growth: The Role of Steps in Surface Morphology and Dynamics." The principal investigators are: (in physics) Theodore L. Einstein, professor; Ray-

mond Phaneuf, assistant research scientist; Ellen D. Williams, professor; (in chemistry and biochemistry) Janice Reutt-Robey, assistant professor; (in the Institute for Physical Science and Technology) Dev Thirumalai, associate professor; and John D. Weeks, professor.

Foreign Policy Fellows to Speak at International House

The School of Public Affairs and the Dorchester International House are co-sponsoring a series of panel discussion during March and April featuring the 1992 Public Affairs Foreign Policy Fellows. The panel series will be held in the International House ground floor conference room from 3 to 5 p.m. on March 4, 18, and 25 and April 1, 8, 15 and 22. For more information about specific topics and speakers, contact Lee Harper at 405-6353.

F.Y.I.

Missing: Major Chunks of Campus' 104-Year Old Athletic History

They're out there somewhere collecting dust on a shelf in someone's family room or stashed in a box in a basement. Lonely, but not forgotten.

"They" are trophies won by Maryland teams over the years. Trophies that for one reason or another have found themselves in places other than where they belong, which is at the university. Their absence creates a giant gap in Maryland's rich athletic history.

Enter the Traditions Committee. Formed nearly a year ago, the committee was charged by Athletic Director Andy Geiger to begin filling in the gaps. It is chaired by Herb Hartnett, sports information director, and composed of representatives from the athletic department, as well as other campus units.

"Mr. Webster tells us that a tradition is a story handed down through generations," Hartnett says. "Our problem is that the story is incomplete, though from what we do know

it's obvious that it's a really good one."

The committee has several primary objectives: to establish a comprehensive database that contains basic information about all Maryland athletes, to conduct taped interviews with as many outstanding past and present College Park athletes as possible, and to collect and display information and mementos highlighting Maryland athletic history.

The last objective poses a particularly difficult challenge to the committee because so much Maryland sports memorabilia cannot be found, including team trophies won in the 1950s at the Sugar and Orange Bowls.

The problem is much larger than missing trophies, however. There is no precise record of students or former students who have competed in the Olympics, for example. And information about women athletes' contributions is scant at best, although the committee is trying to

remedy this by conducting a survey of as many past women athletes and coaches for which it has names and addresses. It is also difficult to give a full accounting of black athletes and their accomplishments.

"At least we've begun," Hartnett says. "However, we could use some help. If any faculty or staff member has a team trophy that was awarded to the university—or knows someone who does—we would appreciate its return. In addition, we invite people to contribute memorabilia for the archives, such as individual trophies, uniforms, programs, etc. And finally, because our records are incomplete, we need help locating prominent athletes from years gone by—names, addresses and telephone numbers."

Please send information and/or memorabilia to the Traditions Committee, Sports Information Office, Cole Field House, or call 314-7064.



Irene Knox, UMCP Women's Rifle Team 1934

A Bit of Maryland Athletic History

(from George Callcott's *History of the University of Maryland*)

- The campus' first intercollegiate sports event was an 1888 baseball doubleheader between the Terps (the "Aggies" back then) and teams from St. Johns in Annapolis and the Naval Academy.

- Football officially came to campus in 1892 in the form of a two-game season in which the Terps were resoundingly defeated by St. Johns (58-0) and Johns Hopkins (62-0).

- The first coach, John Markey, was hired in 1903 to direct an assortment

ment of campus teams.

- Harry Clifton Byrd entered the university (a college then) as a student in 1905 and became the school's first sports superstar. Following his graduation "Curly" Byrd became the Maryland coach.

- By 1929 there were more than 300 women students on campus, many of whom were active in track, basketball, tennis, bowling, swimming and hockey. The rifle team won the national championship in 1934. Irene Knox had the best scores.

- In 1954 the first black undergraduates entered Maryland.

- Maryland was a football powerhouse in the early 1950s, winning the Sugar Bowl in 1951 and the Orange Bowl in 1953 and 1955. "Big Jim" Tatum was coach. The campus' all-Americans were Dick Scarbath, Bernie Faloney, Bob Ward, Ray Krouse, Stan Jones, and "Big Mo" and "Little Mo" Modzelewski.

- Byrd Stadium was completed in 1951. It contained 35,000 seats.

- In 1963, Darryl Hill became the first black football player at Maryland.

CALENDAR

MARCH 2 - 9

2 MONDAY

Art Gallery Exhibition: "Images of America: The Painter's Eye, 1833-1925," 63 paintings and water-colors of landscapes, marine views, genre scenes and still lifes from the collection of Dr. and Mrs. Baekeland, Jan. 29-Mar. 15, The Art Gallery. Call 405-2763 for info.

Women's History Month Kickoff Program: "Remembering Our Past, Shaping Our Future," noon-1:30, Stamp Student Union Atrium. Bring lunch; drinks will be provided. Call 4-7225 for info.

Engineering Colloquium: "Engineer of the Future," James Doohan, actor, 3:30 p.m., Bldg. 8 Auditorium, Goddard Space Flight Center, Greenbelt. Call 286-9828, code 450, for info.

Entomology Colloquium: "The Bombyliidae (Diptera): How Many Families?" David Yeates, American Museum of Natural History, New York, 4 p.m., 0200 Symons. Call 5-3912 for info.

Horticulture Colloquium: "Evaluation of Heat Stress in Tomato," Aref Abdul-Baki, USDA-ARS, Beltsville, MD., 4 p.m., 0128B Holzapfel. Call 5-4336 for info.

Computer Science at College Park Colloquium: "Programming an Object-based Distributed System," Richard J. LeBlanc, Jr., Georgia Tech., 4 p.m., CLB 0111. Reception, 3:30, 1152 AVW. Call 5-2661 for info.

Space Science Seminar: "Energetic Ions in the Earth Magnetosheath and Upstream Region," S.A. Fusilier, Lockheed Palo Alto Research Lab, 4:30 p.m., 1113 Computer/Space Science. Call 5-6226 for info.

Women's Studies Lecture: "The Congress of American Women: Popular Front Peace Politics in the Cold War," Amy Swerdlow, Sara Lawrence College, 8 p.m., 2203 Art/Soc. Call 5-6877 for info.

3 TUESDAY

Ecology Seminar: "Phylogenetic Analysis of Locomotor Performance," Ted Garland, University of Wisconsin and National Science Foundation, noon, 1208 Zoo/Psych. Call 5-6942 for info.

Center for Teaching Excellence Open Discussion: "Toward New Directions in T.A. Training: Issues and Lessons," 12:30-2 p.m., Maryland Room, Marie Mount Hall. Light refreshments served. Call 5-3154 for info.

Physics Colloquium: "Patterns and Dynamics at Interfaces: Waves, Flowing Films and Sliding Membranes," Jerry P. Gollub, Haverford College, 4 p.m., 1410 Physics, tea served at 3:30. Call 5-5953 for info.

Concert Band Concert, Richmond Sparks, conductor, 8 p.m., Center for Adult Education Auditorium. Call 5-5548 for info.

4 WEDNESDAY

Mathematics Conference: "Signal Processing by Zero-Crossings: Recent Developments," 8:30 a.m.-4 p.m., 3206 Mathematics. Call 5-5067 for info.

Women's History Month Lecture: "Women in Science: Is There Any Progress?" Stephen Brush, History and IPST, 2 p.m., 1325 Chemistry. Call 5-1807 for info.

Counseling Center Research and Development Meeting: "Obsessive-Compulsive Disorder: Recent Findings," Akira Otani, counselor, noon-12:50 p.m., 0106 Shoemaker. Call 4-7691

Anthropology Seminar: "Problems of Malnutrition in Africa," Richard Orraca-Tetteh, University of Ghana, 3:30-5:30 p.m., 0103 F.S. Key. Refreshments served. Call 5-1423 for info.

Asian Faculty, Staff, and Graduate Student Association Seminar: "Persisting Asian Cultural Teachings and Asian American Women in the U.S.," Seung-Kyung Kim, Women's Studies, and Bonnie Oh, Assistant Dean, Undergraduate Studies, 4:15-5:15 p.m., 1102 F.S. Key Hall. Call 5-2842 for info.

Architecture Lecture, "Recent Work," Agus Rusli, Carnegie Mellon U., 7 p.m., School of Architecture Auditorium. Call 5-6284 for info.

5 THURSDAY

Senate PCC Open Hearing, Department of Industrial, Technological, and Occupational Education, 8:30-10:00 a.m., Maryland Room, Marie Mount Hall. Call 5-5805 for info.

UM Institute for Advanced Computer Studies (UMACS) Seminar on Algorithms: "Proteins, NP-Completeness and Algorithms," Ron Unger, UMI-ACS, 2 p.m., 2120 AVW. Call 5-6761 for info.

Meteorology Seminar: "Modeling the Role of Biology in the Ocean Carbon Cycle," Hugh Ducklow, Horn Point Environmental Laboratories, 3:30 p.m., 2114 Computer/Space Sciences; refreshments, 3 p.m. Call 5-5392 for info.

Senate PCC Open Hearing, College of Human Ecology, Departments of Family and Community Development, Textiles and Consumer Economics, and Human Nutrition and Food Systems, 3:30-5 p.m., Maryland Room, Marie Mount Hall. Call 5-5805 for info.

History and Philosophy of Science Colloquium: "Criminal Law Reform and the Beginnings of Criminology in Imperial Germany, 1880-1914," Richard Wetzell, CHPS/History, 4 p.m., 1116 IPT. Call 5-5691 for info.

Engineering Research Center Reliability Seminar: "Process Reliability Evaluation," Carl Tippetts, Independent Project Analysis, Inc., 5:15-6:15 p.m., 2110 Chemical and Nuclear Engineering. Call 5-3887 for info.

Maryland Association for Higher Education Dinner Symposium: "Multiculturalism: The Campus Response to Diversity," 5:30 p.m., UMBC Dining Hall 3. Call (410)516-8052 for info and reservations.*

Guarneri String Quartet Open Rehearsal, 7 p.m., Tawes Recital Hall. Call 5-5548 for info.

"Physics is Fun" Lecture/Demonstration: "Water," Richard Berg, today-March 7, 7:30-8:45 p.m., lecture hall, Physics. Call 5-5994 for info.

University to Host International Travel Fair

An International Travel Fair will be held on March 25 from 10 a.m. to 4 p.m. in the Tortuga Room of the Stamp Student Union. The fair, sponsored by the Study Abroad Office and American Youth Hostel Travel Shop, will feature exhibits on international travel opportunities for all ages and free raffles for prizes such as a Eurail Pass and travel pack. For more information, contact the Study Abroad Office at 314-7746.

6 FRIDAY

Geology Seminar: "Trace Element and Isotopic Systematics of Lavas from the Sunda Arc, Indonesia: Distinguishing a Heterogeneous Mantle Source From a Subduction Signature," Caroline Edwards, Dept. of Terrestrial Magnetism, Washington, DC, 11 a.m., 0105 Hombake. Call 5-4089 for info.

Botany Seminar: "Development of C4 Leaves," Timothy Nelson, Yale University, noon, 2242 Patterson. Refreshments, 11:30 a.m., 1216 Patterson. Call 5-1588 for info.



The Tallis Scholars, an internationally-acclaimed vocal ensemble, perform Renaissance a cappella music at the National Presbyterian Church on March 7 at 8 p.m. (pre-concert seminar, 6:30 p.m., Fellowship Hall). Admission is \$18 standard, \$16.20 faculty and staff, \$15.50 seniors and \$5 students. Call 80-4240 for info and reservations.

Agricultural and Resource Economics Seminar: "Do Reasons for Preferences Matter?" Mark Sagoff, Public Affairs, noon-2 p.m., 2200 Symons. Call 5-1293 for info.

Center for Neurosciences Colloquium: "Seasonal, Hormonal, and Neurochemical Studies of the Avian Vocal Control System: A Comparative Approach," Gregory F. Ball, Johns Hopkins U., noon, 1208 Zoo/Psych. Call 5-5879 for info.

Finance Research Colloquium: "Industry Level Pressures to Restructuring," Margaret Blair, Brookings Institute, 1-2:30 p.m., 2102 Tydings. Call 5-2256 for info.

Fluid Dynamics Review Seminar: "The Suppression of Size and Unsteadiness of a VSTOL Ground Vortex by Ground Fences," John M. Cimbala, Penn. State U., 2 p.m., 2164 Engineering. Call 5-5272 for info.

Lesbian and Gay Staff and Faculty Association Meeting, social gathering, 4:30 p.m.; program, 5 p.m. Call Susan Leonardi at 5-3833 or Michael Marcuse at 301/585-6015 for location and info.

University of Maryland Horn Ensemble Concert, 7 p.m., Tawes Recital Hall. Call 5-5548 for info.

7 SATURDAY

College Park Pow Wow, sponsored by the Native American Student Union and the American Indian Intertribal Cultural Organization, with traditional crafts, dancing, and music, noon-9 p.m., Armory. Admission \$4 standard, \$2 students. Call 270-2991 for info.*

Concert Society at Maryland,

Tallis Scholars, 8 p.m., National Presbyterian Church; pre-concert seminar, 6:30 p.m., Fellowship Hall, \$18 standard admission, \$16.20 faculty and staff, \$15.50 seniors and \$5 students. Call 80-4240 for info and reservations.*

Men's Basketball vs. Virginia, 4 p.m., Cole Field House. Call 4-7070 for info.*

8 SUNDAY

College Park Pow Wow, sponsored by the Native American Student Union and the American Indian Intertribal Cultural Organization, with traditional crafts, dancing, and music, noon-6 p.m., Armory. Admission \$4 standard, \$2 students. Call 270-2991 for info.*

9 MONDAY

SPRING BREAK

Engineering Colloquium: "Why Schools Don't Educate," John Gatto, New York School System, 3:30 p.m., Bldg. 8 Auditorium, Goddard Space Flight Center, Greenbelt. Call 286-9828, code 450, for info.

*Admission charged for this event. All others are free.